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(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WANG, Jin [CN/CN]; Philips Electronics China, 21/F Kerry Office Building 218 Tian Mu, Xi Road, Shanghai 200070 (CN). WANG, Gang [CN/CN]; Philips Electronics China, 21/F Kerry Office Building 218 Tian Mu, Xi Road, Shanghai 200070 (CN). HOLSTLN 4, NL-5656AA EINDHOVEN (NL).

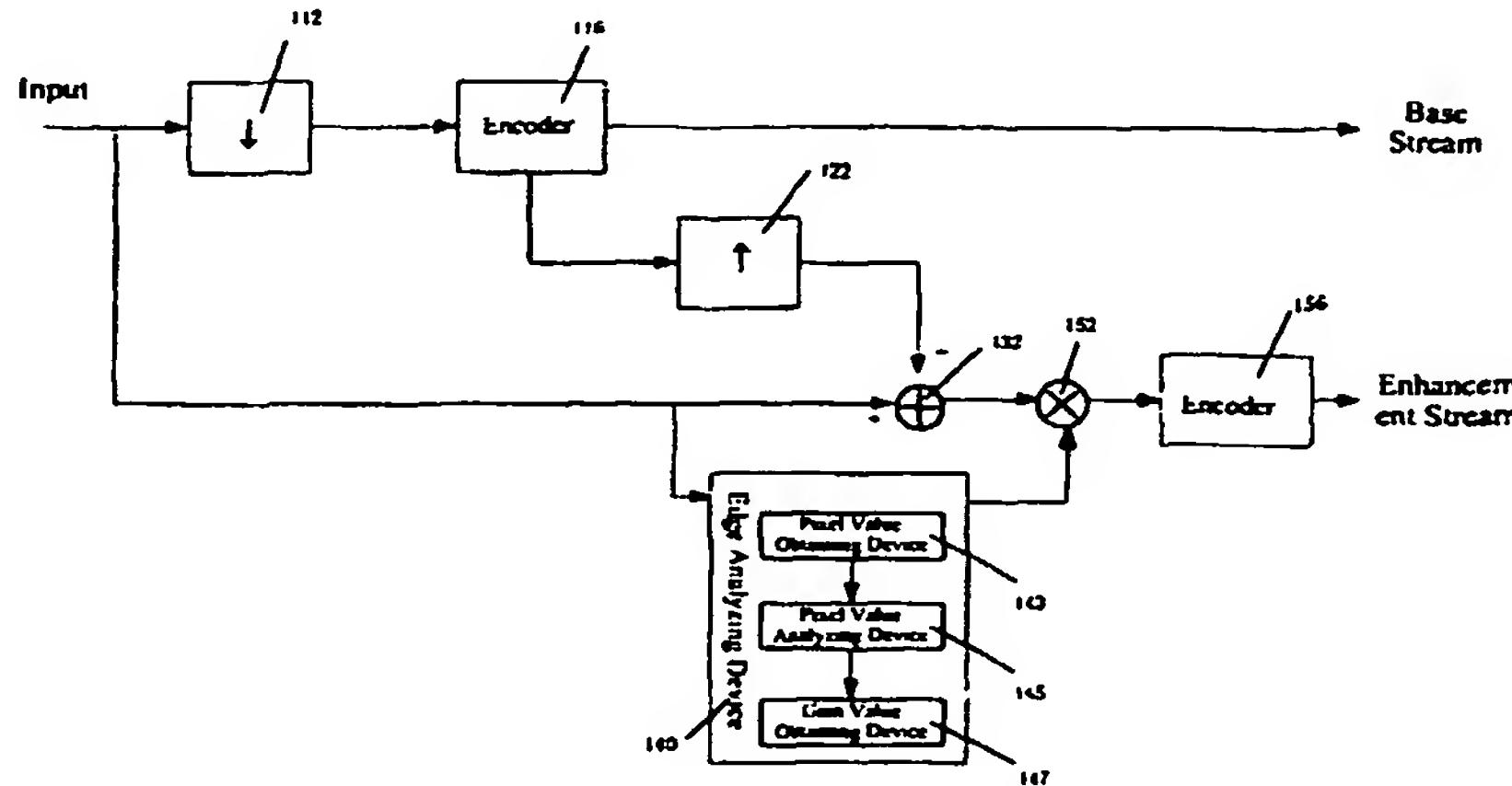
(74) Common Representative: KONINKLIJKE PHILIPS ELECTRONICS N.V.; c/o HAQUE, Azir, Philips Electronics China, 21/F Kerry, Office Building, 218 Tian Mu Xi Lu Road, Shanghai 200070 (CN).

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(54) Title: METHODS AND APPARATUS FOR SPATIAL SCALABLE COMPRESSION SCHEME



(57) Abstract: The present invention provides a method for compressing the video stream with the spatial stratification, firstly, encoding said video stream after drop-sampling to obtain a base stream; then, decoding and rise-sampling said base stream to obtain a reconstructed stream; subtracting the reconstructed stream from said video stream to obtain a residual stream; next, carrying out the edge detection and analysis for said video stream to obtain the gain value of each pixel in the video stream; finally, multiplying said gain value by said residual stream and encoding the obtained result to obtain an enhanced stream. The invention further finely fractionizes the type of each pixel to obtain its corresponding more accurate gain value, thereby further decrease the number of the transmitted data and the transmitting bit rate required by the enhanced layer based on the premise that the quality of images can be ensured.

WO 2005/057934 A3



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